

WHAT IS CLAIMED FOR:

1. A system for composting-free disposal of organic waste, comprising:

a heating apparatus;

a pretreatment apparatus, the organic waste being guided into the
5 pretreatment apparatus to become a slurry; and

a decomposition apparatus disposed downstream from the pretreatment
apparatus; microbial enzymes and raw material being added into the slurry to
make a mixture, the heating apparatus for heating the mixture, and the
decomposition apparatus for decomposing and sterilizing the mixture to make a
10 composting-free organic fertilizer product.

2. The system as claimed in claim 1, wherein the pretreatment apparatus
includes a storage tank, a shattering device and an oil-water separation device,
the storage tank being disposed downstream from the shattering device, the
oil-water separation device being disposed downstream from the storage tank,
15 the organic waste being guided into the shattering device, and the shattering
device shattering the organic waste to make an oil-slurry to be further guided
into the storage tank, and the heating apparatus heating the oil-slurry in the
storage tank to separate the oil-slurry into a slurry and a surface oil-water
mixed liquid, the oil-water separation device including an oil collection
20 pipeline and a water collection pipeline, and the water collection pipeline
connecting to an upstream position of the storage tank.

3. The system as claimed in claim 2, further comprising a milling device and
an open spare tank, the milling device being disposed between the storage tank
of the pretreatment apparatus and the decomposition apparatus, the open spare
25 tank being disposed between the milling device and the decomposition
apparatus, the milling device milling the slurry into a fine-slurry to be further

conveyed into the spare tank, the microbial enzymes and raw material being added into the spare tank to mix with the fine-slurry to form a mixture, the spare tank having a diaphragmatic pump to convey the mixture into a decomposition tank of the decomposition apparatus, the decomposition tank having a stirring device therein, the decomposition apparatus having a feed valve and a regulating valve, the heating apparatus heating the mixture in the decomposing tank, the decomposition tank being an airtight high pressure reaction tank, and the mixture being decomposed to become a liquid fertilized composting-free organic fertilizer product.

4. The system as claimed in claim 2, further comprising an open spare tank disposed between the storage tank of the pretreatment apparatus and the decomposition apparatus, the storage tank conveying the slurry into the spare tank, the microbial enzymes and raw material being added into the spare tank to mix with the slurry to make the mixture, the spare tank having a diaphragmatic pump to convey the mixture into a decomposition tank of the decomposition apparatus, the decomposition tank having a stirring device therein, the decomposition apparatus having a feed valve and a regulating valve, the heating apparatus heating the mixture in the decomposing tank, the decomposition tank being a vacuum tank, the system further including a compression exhaust device, a heat exchanger, a water storage device, and a filter device, the compression exhaust device connecting to the decomposition tank of the decomposition apparatus to draw out vapor generated from the mixture, the heat exchanger connecting to the compression exhaust device in order to cool the vapor into liquid water which is to be further guided into the water storage device connecting with the heat exchanger, the filter device connecting to the water storage device to filter the liquid water to make

drinking water, and the mixture being decomposed and dried to become a solid fertilized composting-free organic fertilizer product.

5. The system as claimed in claim 2, further comprising an open spare tank disposed between the storage tank of the pretreatment apparatus and the decomposition apparatus, the storage tank conveying the slurry into the spare tank, the microbial enzymes and raw material being added into the spare tank to mix with the slurry to form the mixture, the spare tank having a diaphragmatic pump to convey the mixture into a decomposition tank of the decomposition apparatus, the decomposition tank having a stirring device therein, the heating apparatus heating the mixture in the decomposing tank, the decomposition tank being a general tank, the system further including an exhaust fan device, the exhaust fan device connecting to the decomposition tank to draw out vapor generated from the mixture, and the mixture being decomposed and dried to become a solid fertilized composting-free organic fertilizer product.

6. The system as claimed in claim 1, wherein the heating apparatus is a circulatory airtight heating system with kerosene therein or a circulatory airtight heating system with vapor therein, and the kerosene or the vapor is heated by a boiler or electricity.

7. The system as claimed in claim 1, further including an electrical circuit control unit, wherein the heating apparatus, the pretreatment apparatus, and the decomposition apparatus electrically connect to the electrical circuit control unit.

8. A method for composting-free disposal of organic waste, comprising:

- (a) shattering the organic waste to make a slurry;
- (b) addition of microbial enzymes and raw material into the slurry to

make a mixture; and

(c) decomposing and sterilizing the mixture to make a composting-free organic fertilizer product.

9. The method as claimed in claim 8, wherein the organic waste of step (a) is
5 guided into a pretreatment apparatus to be shattered and heated by a heating
apparatus to become the slurry, and the mixture of step (c) is guided into a
decomposition apparatus and heated by the heating apparatus.

10. The method as claimed in claim 9, wherein the pretreatment apparatus of
step (a) includes a storage tank, a shattering device and an oil-water separation
10 device, and the storage tank is placed downstream from the shattering device,
the oil-water separation device is placed downstream from the storage tank, the
organic waste being guided into the shattering device, the shattering device
shattering the organic waste to make an oil-slurry to be further guided into the
storage tank, the storage tank having a stirring device therein, the heating
15 apparatus heating the oil-slurry in the storage tank to separate the oil-slurry into
a slurry and a surface oil-water mixed liquid, the oil-water separation device
including an oil collection pipeline and a water collection pipeline, and the
water collection pipeline connecting to an upstream position of the storage
tank.

20 11. The method as claimed in claim 10, wherein step (c) further comprises a
milling device and an open spare tank, the milling device is disposed between
the storage tank of the pretreatment apparatus and the decomposition apparatus,
and the open spare tank is disposed between the milling device and the
decomposition apparatus, the milling device mills the slurry into a fine-slurry,
25 which is to be further conveyed into the spare tank, the microbial enzymes and
raw material being added into the spare tank to mix with the fine-slurry to

make the mixture, the spare tank having a diaphragmatic pump to convey the mixture into a decomposition tank of the decomposition apparatus, the decomposition tank having a stirring device therein, the decomposition apparatus having a feed valve and a regulating valve, the heating apparatus heating the mixture in the decomposing tank, the decomposition tank being an airtight high pressure reaction tank, and the mixture decomposes to become a liquid fertilized composting-free organic fertilizer product.

12. The method as claimed in claim 10, wherein step (c) further comprises an open spare tank disposed between the storage tank of the pretreatment apparatus and the decomposition apparatus, the storage tank conveying the slurry into the spare tank, the microbial enzymes and raw material being added into the spare tank to mix with the slurry to make the mixture, the spare tank having a diaphragmatic pump to convey the mixture into a decomposition tank of the decomposition apparatus, the decomposition tank having a stirring device therein, the decomposition apparatus having a feed valve and a regulating valve, the heating apparatus heating the mixture in the decomposing tank, the decomposition tank being a vacuum tank, step (c) further including a compression exhaust device, a heat exchanger, a water storage device, and a filter device, the compression exhaust device connecting to the decomposition tank of the decomposition apparatus to draw out vapor generated from the mixture, the heat exchanger connecting the compression exhaust device to cool the vapor into liquid water that is further guided into the water storage device connecting with the heat exchanger, the filter device connecting to the water storage device to filter the liquid water to become drinking water, and the mixture being decomposed and dried to become a solid fertilized composting-free organic fertilizer product.

13. The method as claimed in claim 10, wherein step (c) further comprises an open spare tank disposed between the storage tank of the pretreatment apparatus and the decomposition apparatus, the storage tank conveying the slurry into the spare tank, the microbial enzymes and raw material being added
5 into the spare tank to mix with the slurry to make the mixture, the spare tank having a diaphragmatic pump to convey the mixture into a decomposition tank of the decomposition apparatus, the decomposition tank having a stirring device therein, the heating apparatus heating the mixture in the decomposing tank, the decomposition tank being a general tank, the system further including
10 an exhaust fan device connecting to the decomposition tank to draw out vapor generated from the mixture, which being decomposed and dried to become a solid fertilized composting-free organic fertilizer product.